

441/1/019  
PATENT APPLICATIONIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Madoka TONOSAKI et al

SERIAL NO.: 10/519,931

FILED : December 30, 2004

FOR : NOVEL FUNCTIONAL PEPTIDE NUCLEIC ACID  
AND PROCESS FOR PRODUCING THE SAMECertificate of Mailing Under 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on FEBRUARY 24, 2005.

Richard M. Goldberg  
(Name of Registered Representative  
and person mailing)

*Richard M. Goldberg* February 24,  
(Signature and Date)

2005

SECOND INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The Applicants and those individuals involved in the preparation and/or prosecution of the above-identified Application have become aware of the following references which the Examiner may consider material to the patentability of the above-identified Application:

PUBLICATIONS

FLOUZAT et al, Solid-phase synthesis of "head-to-side chain" cyclic tripeptides using allyl deprotection, Tetrahedron Letters, Vol. 38, No. 7, 1997, pages 1191-1194.

KATES et al, Automated allyl cleavage for continuous-flow synthesis of cyclic and branched peptides, Analytical Biochemistry, Vol. 212, 1993, pages 303-310.

MOKHIR et al, Synthesis and DNA binding properties of terminally modified peptide nucleic acids, Bioorganic & Medicinal Chemistry Letters, Vol. 13, 2003, pages 2489-2492.

MOKHIR et al, Synthesis and Monitored Selection of 5'-nucleobase-capped oligodeoxyribonucleotides, Nucleic Acids Research, Vol. 28, No. 21, 2000, pages 4254-4265.

VALENTIJN et al, Solid-phase synthesis of lysine-based cluster galactosides with high affinity for the Asialoglycoprotein receptor, Tetrahedron, 1997, Vol. 53, No. 2, pages 759-770.

Copies of the above references are enclosed.

The relevance of the above references is discussed in the International Search Report filed with the application.

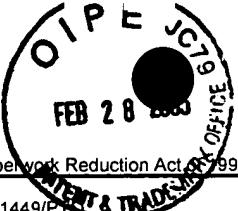
In addition, one Form PTO/SB/08A Form is enclosed, which lists the above references. It is requested that the Examiner initial this Form and return a copy thereof to the undersigned.

It is requested that the above-identified references be made of record in the present Application.

Respectfully submitted,

  
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Substitute for form 1449/P-1

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

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of

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## Complete if Known

Application Number	10/519,931
Filing Date	12-30-2004
First Named Inventor	Madoka Tonusaki
Art Unit	Unknown
Examiner Name	Unknown

Attorney Docket Number 441/1/019

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		FLOUZAT et al, Solid-phase synthesis of "head-to-side chain" cyclic tripeptides using allyl deprotection, Tetrahedron Letters, Vol. 38, No. 7, 1997, pages 1191-1194.	
		KATES et al, Automated allyl cleavage for continuous-flow synthesis of cyclic and branched peptides, Analytical Biochemistry, Vol. 212, 1993, pages 303-310.	
		MOKHIR et al, Synthesis and DNA binding properties of terminally modified peptide nucleic acids, Bioorganic & Medicinal Chemistry Letters, Vol. 13, 2003, pages 2489-2492.	
		MOKHIR et al, Synthesis and Monitored Selection of 5'-nucleobase-capped oligodeoxyribonucleotides, Nucleic Acids Research, Vol. 28, No. 21, 2000, pages 4254-4265.	
		VALENTIJN et al, Solid-phase synthesis of lysine-based cluster galactosides with high affinity for the Asialoglycoprotein receptor, Tetrahedron, Vol. 53, No. 2, 1997, 759-770	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.